BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer

SCHEDULE-B

NAME OF WORK: Construction of General public Toilet in Mallasandra Colony school in ward no.13 Shettyhalli Sub Division

Sl.No	Description of work	Unit	Qty	Santioned Rate	
				In Figures (Rs.)	In Words (Rs.)
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications and as per the direction of Engineer-in-charge of the work..	Cum	243.02	350.00	Three Hundred Fifty
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications complete asspecifications and as per the direction of Engineer-in-charge of the work.	Cum	39.35	6200.00	Six Thousand Two Hundred
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work.	Cum	48.46	5500.00	Five Thousand Five Hundred
4	Providing and constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Cum	15.22	5600.00	Five Thousand Six Hundred
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work.	Sqm	25.21	120.00	One Hundred Twenty
6	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification and as per the direction of Engineer-in-charge of the work..	Cum	243.02	150.00	One Hundred Fifty
7	Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications and as per the direction of Engineer-in-charge of the work..	Cum	87.73	7600.00	Seven Thousand Six Hundred

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8	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	11.34	550.00	Five Hundred Fifty
9	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per the direction of Engineer-in-charge of the work..	Tonne	6.47	62000.00	Sixty Two Thousand
10	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification and as per the direction of Engineer-in-charge of the work..	Sqm	94.64	425.00	Four Hundred Twenty Five
11	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification and as per the direction of Engineer-in-charge of the work..	Sqm	158.05	300.00	Three Hundred
12	Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	11.34	320.00	Three Hundred Twenty
13	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification and as per the direction of Engineer-in-charge of the work..	Sqm	238.75	625.00	Six Hundred Twenty Five
14	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	28.75	1000.00	One Thousand
15	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	295.01	1000.00	One Thousand
16	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer-in-charge of the work..	Cum	1.1	130000.00	One Lakhs Thirty Thousand
17	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification	Sqm	33.14	5500.00	Five Thousand Five Hundred

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18	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications and as per the direction of Engineer-in-charge of the work..	Sqm	415.8	95.00	Ninety Five
19	Providing and fixing in position collapsible steel shutters Sqm with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint, cost of materials, labour, HOM of machinery complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	21	9000.00	Nine Thousand
20	Providing and fixing in position anodized alluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre	Sqm	10.8	4000.00	Four Thousand
21	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	376.63	300.00	Three Hundred
22	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification and as per the direction of Engineer-in-charge of the work..	Sqm	82.72	225.00	Two Hundred Twenty Five
23	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	82.72	30.00	Thirty
24	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	405.83	300.00	Three Hundred
25	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	61.94	3000.00	Three Thousand

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26	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mmsize with 50% of cement mortar 1:5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1:5 admix with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with preprietoray water proofing compound d) finishing the surface with 20mm joint less cement mortar of mix 1:4 admix with preprietary water proofing compond wall finally finishing the surface with travel and neat cement slurry and making of 300 x 300 mm square e the whole terrace so finished shall be flooded	Sqm	82.81	1000.00	One Thousand
27	Providing and fixing on wall surface 4.0kg?Sq.cm H.D.P.E. rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification and as per the direction of Engineer-in-charge of the work..	Mtr	48	500.00	Five Hundred
28	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and as per the direction of Engineer-in-charge of the work..	Each	14	5600.00	Five Thousand Six Hundred
29	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications and as per the direction of Engineer-in-charge of the work.	Each	12	3500.00	Three Thousand Five Hundred
30	Providing and fixing white vitreaus china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification and as per the direction of Engineer-in-charge of the work..	Each	12	3500.00	Three Thousand Five Hundred
31	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	26.25	1250.00	ne Thousand Two Hundred Fift
32	Providing and fixing colour glazed tiles of size 300mmx600mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification and as per the direction of Engineer-in-charge of the work..	Sqm	499.56	1350.00	One Thousand Three Hundred Fifty
33	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia , complete as per specification and as per the direction of Engineer-in-charge of the work..	Each	24	200.00	Two Hundred

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34	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions , complete as per specification and as per the direction of Engineer-in-charge of the work..	Each	24	300.00	Three Hundred
35	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. , complete as per specification and as per the direction of Engineer-in-charge of the work..	Mtr	150	300.00	Three Hundred
36	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and as per the direction of Engineer-in-charge of the work..	Each	14	200.00	Two Hundred
37	providing and fixing in position brass gate valve with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins and as per the direction of Engineer-in-charge of the work..	Each	8	450.00	Four Hundred Fifty
38	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc complete as per specificatins and as per the direction of Engineer-in-charge of the work..	Each	6	150.00	One Hundred Fifty
39	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Nos	6	8000.00	Eight Thousand
40	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Nos	2	10000.00	Ten Thousand
41	Extra over Item 15-15.3 for painting with one coat plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	82.72	4.00	Four
42	Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shade for Item no.15-15.1 and 15-15.3 cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	82.72	35.00	Thirty Five
43	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	405.83	100.00	One Hundred
44	Extra for providing and applying every subsequent coat of waterproofing cement paint of approved brand and shade for Item no.15-16.1 cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	405.83	30.00	Thirtty

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45	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios and as per the direction of Engineer-in-charge of the work..	Sqm	43.56	45.00	Fourty Five
46	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	4.32	100.00	One Hundred
47	Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications and as per the direction of Engineer-in-charge of the work..	Sqm	4.32	55.00	Fifty Five
48	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and as per the direction of Engineer-in-charge of the work..	Rmt	60	1350.00	One Three Hundred Fifty
49	Rectangalur shape mirror of size 1500x450mm with plastic moulded frame complete as per specifications and as per the direction of Engineer-in-charge of the work..	Nos	4	1000.00	One Thousand

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

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